

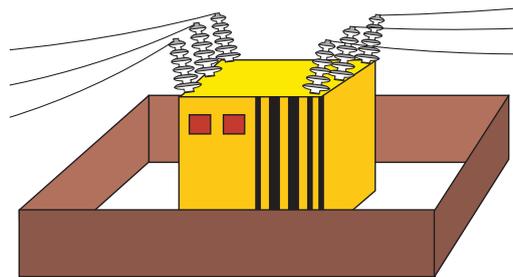
SUBSTATIONS

A **substation** is an area where the electricity is split onto different powerlines before heading off to your local shops, businesses, homes and schools.

The main job of a substation is to make sure electricity continually flows to your town, even when there is a fault or work happening on some of the powerlines.

Substations vary in size depending on the size of the community they are supplying. A bigger community will use more electricity so the substation needs to be bigger as well.

With the large amount of electricity running around the substations, a magnetic field will be produced around the materials. This means electricity may jump or spark to other conductors, including you if you get too close. The metal fences surrounding the substations are there to prevent this from happening and it is important to remember to never cross these boundaries.



Zone Sub-station

Zone substations are responsible for changing high voltage electricity to lower voltages needed for the appliances in your homes and schools.